



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

1501 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1501

LYNDO TIPPETT
SECRETARY

November 25, 2003

Ms. Cindy Rintoul
UST Section
585 Waughtown Street
Winston-Salem, NC 27107-2241

RE: Tank Closure Report
NC DOT - McLeansville -B
4253 Camp Burton Road
McLeansville, NC 27301

Dear Cindy:

Enclosed is the tank closure report for a 2,000-gallon used oil tank removed at the subject site on November 5, 2003. The soil samples collected during closure were clean except for minor amounts of chromium and lead, which are probably naturally occurring. No further work is recommended. If you have questions, please call me at (919) 835-8007.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Motzno".

Eric Motzno, LG
Environmental Engineer

Encl

CC: Mark Walker
Equipment Superintendent

TANK CLOSURE REPORT

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

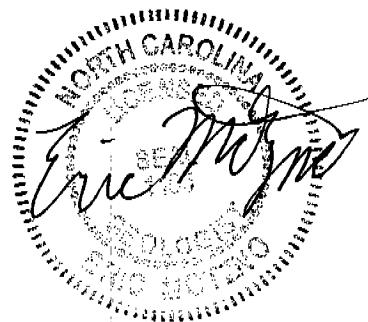
4253 CAMP BURTON ROAD

MCLEANSVILLE, GUILFORD COUNTY

FACILITY ID#0-025557

LATITUDE N36° 7.128'
LONGITUDE W79° 41.993'

BY



ERIC MOTZNO, L.G.
ENVIRONMENTAL ENGINEER

NOVEMBER 20, 2003

**TANK CLOSURE REPORT
DEPARTMENT OF TRANSPORTATION
4253 CAMP BURTON ROAD
MCLEANSVILLE, GUILFORD COUNTY**

I. GENERAL INFORMATION

The owner of the former used oil tank is listed in the UST database as the North Carolina Department of Transportation, 4809 Beryl Road, Raleigh, NC 27606. The phone number for this office is (919) 733-2220. The facility (0-025557) is listed in the UST database as NCDOT- Camp Burton, located at 4253 Camp Burton Road, McLeansville, NC 27301 (See Figure 1). The phone number for the facility is (336) 375-5831.

The contact person for DOT is Eric Motzno, Environmental Engineer, and can be reached at the owner's address and phone. The closure contractor was A & D Environmental and Industrial Services, PO Box 484, High Point, NC. The laboratory analyses were provided by Analytics Laboratories, Inc., 8040 Villa Park Drive, Suite 250, Richmond, VA 23228 and can be reached at (800) 888-8061. A UST-3 form was submitted to the DENR-Winston Salem office on September 24, 2003. A copy of this form is in Appendix A.

The former tank was installed June 10, 1992 and was used until it was abandoned during closure activities on November 5, 2003. This was a fiberglass UST measuring approximately 6' by 11' and held approximately 2,000 gallons of used motor oil until pumped by a recycler. It was located on the west side of the Wash & Grease House (Figure 2). The product line measured 7 feet from the building to the fitting on top of the tank. The tank was registered with Groundwater Section in 1992 upon installation and all UST fees were paid prior to abandonment.

The tank was removed because it was 10 years old and the monitoring requirements could not be met. There is a fuel station on site; therefore, the facility is still an active UST site. Table 1 provides information about the tanks. There is an active groundwater incident (#8699) at the site associated with a leaking gasoline tank removed in January 1993. The used oil tank was approximately 250 feet cross-gradient from the edge of the gasoline plume (MW-5). The DOT and surrounding areas rely on supply wells for water.

Depth to bedrock is approximately 25 feet deep. Depth to groundwater is about 12 feet below surface. The site is located in the Carolina Slate Belt and is underlain by a metamorphosed granitic rock. Soils at the tank pit are mostly fill material consisting of red-brown silt.

II. CLOSURE PROCEDURE

In September 2003, the UST Section was notified of the tank closure when form UST-3 was submitted. Since field activities are now complete, a Form UST-2 Site Investigation Report for Permanent Closure has been completed and is submitted in Appendix B. DOT Personnel proceeded with the tank closure by reviewing the site-specific health and safety plan found in Appendix C. The used tank was pumped out by US Filter Recovery Services on October 10, 2003. Material manifest #E-140038 from US Filter Recovery, in Appendix D, shows 240 gallons were pumped out.

On November 5, 2003, A & D's personnel excavated soil until the tank could be lifted out. The tank was visually inspected for holes and none were noted. There was no visible indication of a release in the tank pit. The pit was backfilled with clean topsoil. The pit dimensions were 11' by 14' and 10.0 feet deep. The top of the tank was approximately 4.0 feet below surface. A & D loaded the tank into their truck immediately after removal. The receipt (Certificate of Tank Disposal) from A & D is found in Appendix E.

III. SITE INVESTIGATION

Two soil samples (SS-1 and 2) were collected at a depth of 10.0 feet from the base of the tank pit on November 5, 2003. A third sample (SS-3) was collected from under the product line, at a depth of 4 feet. The location of each sample is shown in Figure 3 as well as the location of the tank and product line. These samples were placed in jars provided by the lab and placed on ice until delivery to the lab. Table 2 provides information about the collection of samples.

The samples were submitted Analytics Laboratories, Inc. with site name Camp Burton WO. The analyses requested for the soil samples were Methods 8260, 8270, MADEP VPH + EPH, lead and chromium. The Final Report of Analyses, dated November 19, 2003 from Analytics shows the soil samples were clean except for minor amounts of lead and chromium that are probably naturally occurring. Table 3 is a summary of the soil sample results. The complete lab report is in Appendix F.

IV. CONCLUSIONS AND RECOMMENDATIONS

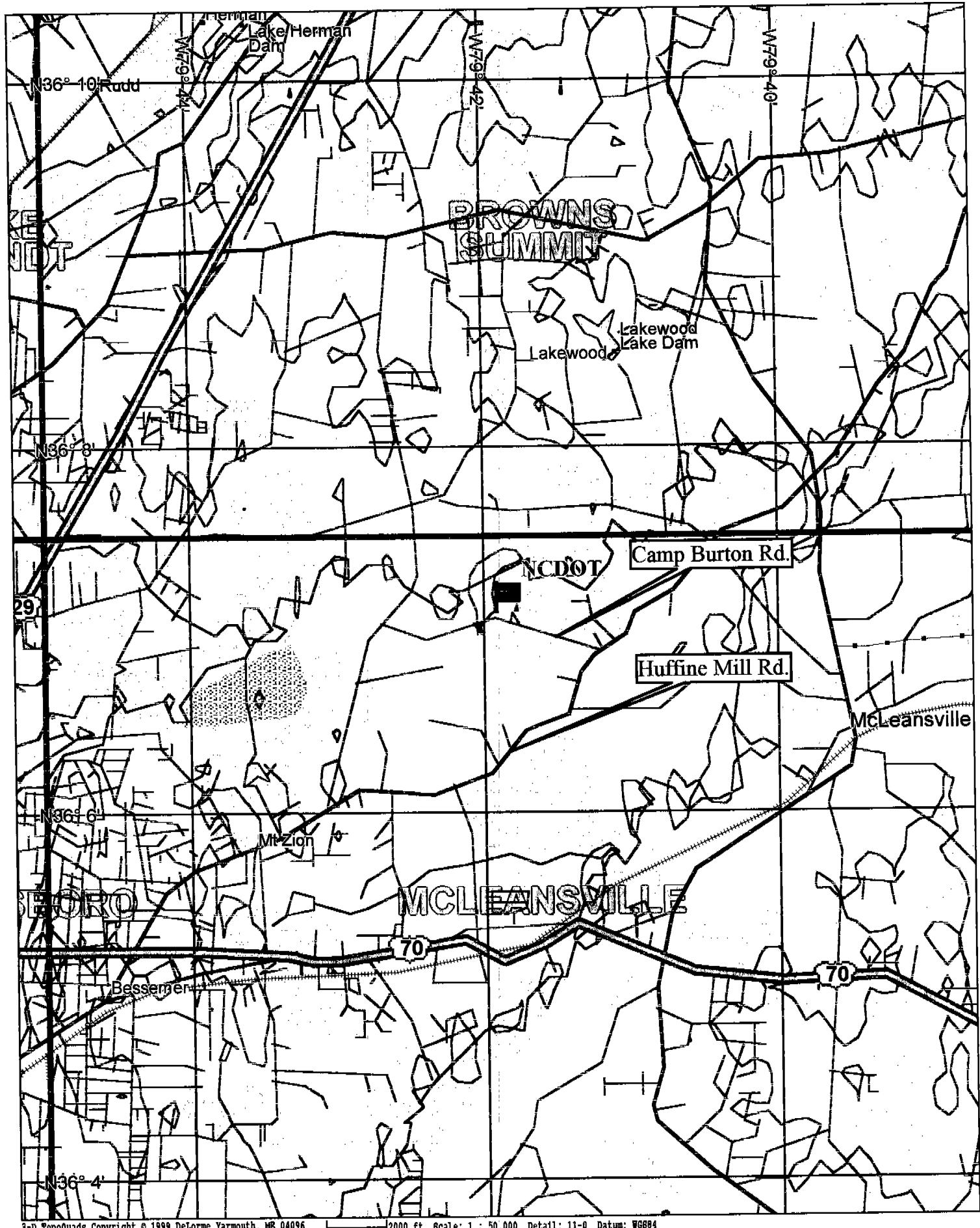
Since no soil contamination was found, no further action is recommended. This report will be kept on file for a minimum of three years in this office.

V. CERTIFICATION

In accordance with Title 15A, NCAC, 2N .0803, this report was prepared using the best available information at the time of the report preparation. This report follows the format of the GW/UST-12 form, therefore, a UST-12 was not included.

FIGURES

Figure 1.



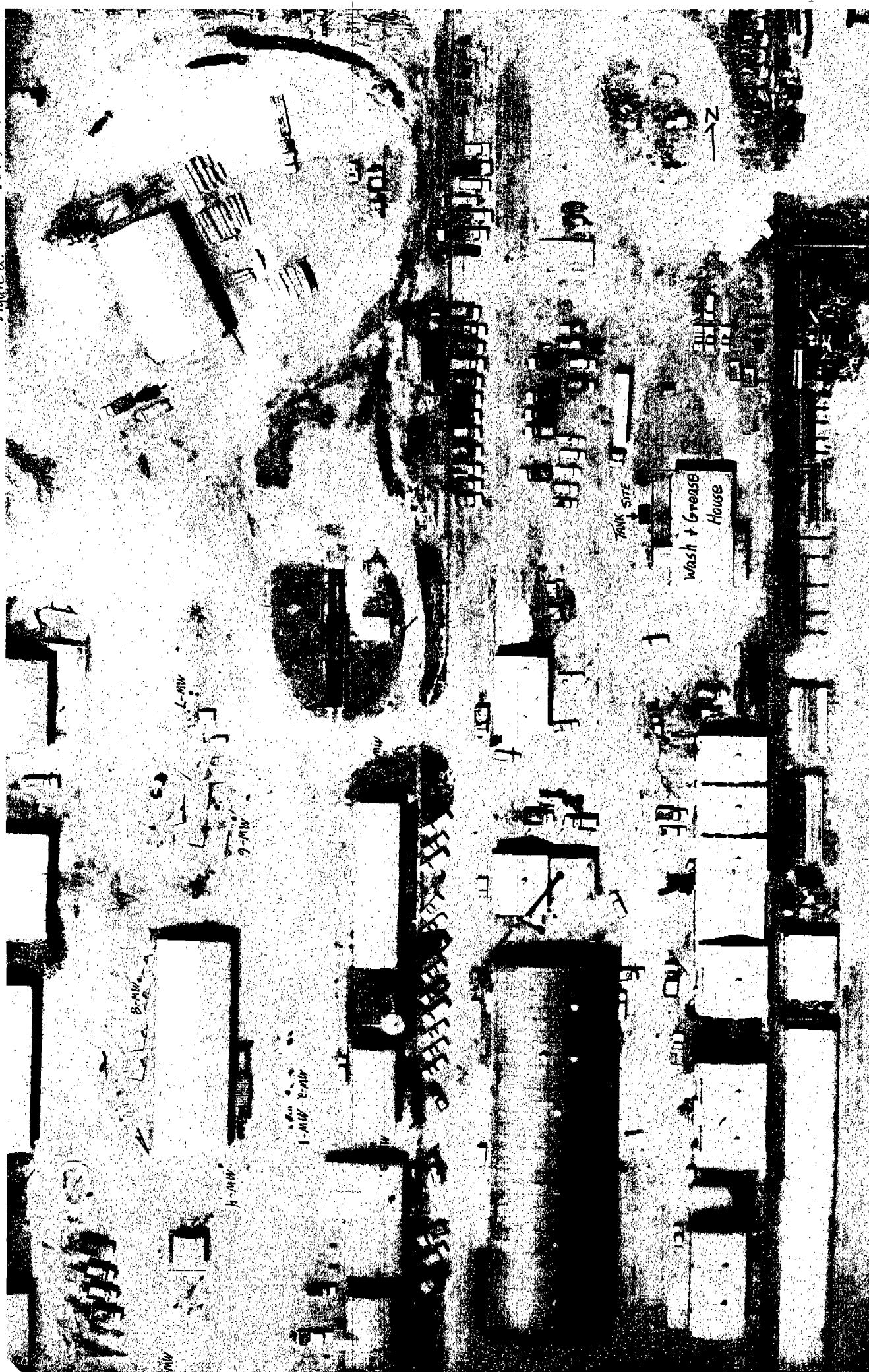
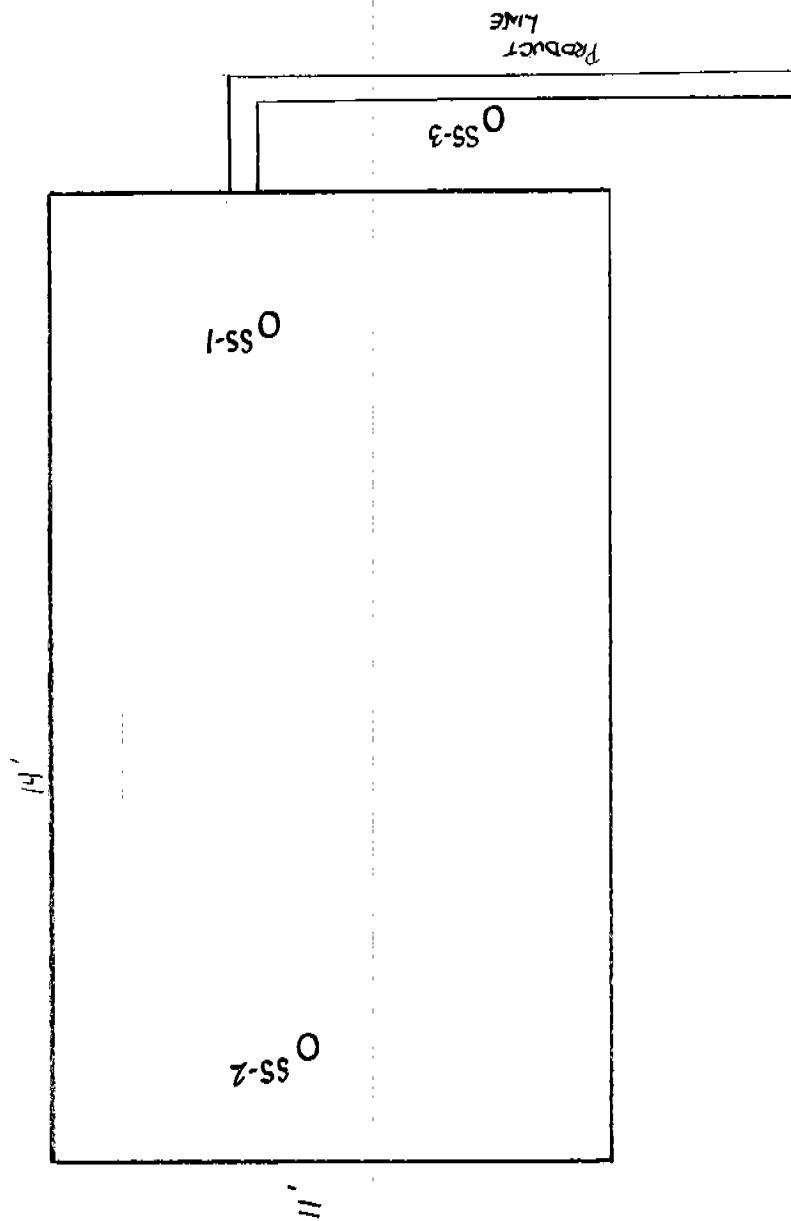


Figure 3



Equipment Shop

Figure 3

TABLES

Camp Burton

TABLE 1. UNDERGROUND STORAGE TANKS

TANK ID #	DATE INSTALLED	SIZE (gal.)	PRODUCT	DATE REMOVED
726-1	12/01/64	800	Gasoline	09/91
726-2	12/01/53	6500	NL Gas	07/91
726-3	12/01/53	6500	Diesel	07/91
726-4	12/01/53	1000	Kerosene	07/91
726-6	12/01/53	12000	Heating Fuel	05/92
726-7	12/01/53	2000	Heating Fuel	07/91
726-8	12/01/74	500	Heating Fuel	07/91
726-9	12/01/74	500	Heating Fuel	active
UST-202	12/01/71	2000	Waste Oil	05/92
UST-334	01/02/74	10000	Gasoline	01/19/93
UST-335	01/02/74	10000	Diesel	01/20/93
726-101	07/09/92	15000	Gasoline	active
726-102	07/09/92	15000	Diesel	active
726-103	06/10/92	2000	Waste Oil	11/05/03
726-104	06/10/92	10000	Heating Fuel	active

TABLE 2. SOIL SAMPLES

SAMPLE ID	DATE	DEPTH	ANALYSIS					
			8260 IPE & MIBE, 8270, EPH, VPH, Pb, Cr	"	"	"	"	"
SS-1	11/04/03	10						
SS-2	11/04/03	10						
SS-3	11/04/03	4						

TABLE 3. SOIL SAMPLE LAB RESULTS

APPENDIX A

UST FORM 3 NOTICE OF INTENT OF CLOSURE

UST-3 Notice of Intent: UST Permanent Closure or Change-in-Service

FOR TANKS IN

NC

Return completed form to:

The DWM Regional Office located in the area where the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES.

STATE USE ONLY

I.D. # _____

Date Received _____

INSTRUCTIONS

Complete and return at least five (5) working days prior to closure or change-in-service if a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports. Otherwise, a thirty (30) day notice is required.

I. OWNERSHIP OF TANKS

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
NCDOT
 Street Address
4807 Benj Rd
 City
Raleigh
 State
NC
 Zip Code
27606
 Area Code Phone Number
919 733 2220

II. LOCATION

Facility Name or Company
NCDOT Camp Burton
 Facility ID # (if known)
8553
 Street Address
4253 Camp Burton Rd
 City
McLèansville
 County
Guilford
 Zip Code
27310
 Area Code Phone Number
336 375-5832

III. CONTACT PERSONNEL

Name Eric Motzno Job Title Env. Engineer Phone Number 919 733 2220

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

1. Contact local fire marshal.
2. Plan entire closure event.
3. Conduct Site Soil Assessment.
4. If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks and 1604 Removal and Disposal of Used Underground Petroleum Storage Tanks*.
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation.
7. If a release from the tanks has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.
8. Keep closure records for three (3) years.

V. WORK TO BE PERFORMED BY

Contractor Name NCDOT Camp Burton
 Address 4253 Camp Burton Rd McLèansville State NC Zip Code 27310
 Contact Person Eric Motzno
 Primary Consultant " " " Phone No. 919 733 2220
 Phone No. " " "

VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Tank ID #	Tank Capacity	Last Contents	Proposed Activity		
			Closure	Change-In-Service	New Contents Stored
Removal	Abandonment in Place				
<u>726</u>	<u>103</u>	<u>2,000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		<u>used oil</u>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs. Read note on the back of this form before signing.

Print name and official title Eric Motzno Environmental Engineer

Signature	Date Signed	SCHEDULED REMOVAL DATE	Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes
	<u>9-24-03</u>	<u>10-24-03</u>	

APPENDIX B

UST FORM 2 SITE INVESTIGATION REPORT

UST-2**Site Investigation Report for Permanent Closure or Change-in-Service of UST****FOR TANKS
IN
NC****Return completed form to:**

The DWM Regional office in the area the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES. Return the yellow copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED".

STATE USE ONLY:

I.D. # _____
Date Received _____**I. OWNERSHIP OF TANKS**

NC DOT
 Owner Name (Corporation, Individual, Public Agency, or Other Entity)
4809 BERYL RD
 Street Address
RALEIGH
 City NC
 State 919 Zip Code 27606
 Area Code 919 Phone Number 733-2220

II. LOCATION OF TANKS

CAMP BURTON MAINTENANCE
 Facility Name or Company 0-025557
 Facility ID # (If known) 4253 CAMP BURTON RD
 Street Address
MICHAELSVILLE County GUILFORD Zip Code 27301
 City 336 Zip Code 334-3192
 Area Code 919 Phone Number 334-3192

III. CONTACT PERSONNEL

Name <u>ERIC MOTZNO</u>	Job Title <u>ENVIRONMENTAL ENGINEER</u>	Tel. No. <u>919 835-8007</u>
Closure Contractor <u>A+D ENVIRONMENTAL</u>	Address <u>PO BOX 484, HIGH POINT, NC</u>	Tel. No. <u>336 434-7750</u>
Primary Consultant <u>ERIC MOTZNO</u>	Address <u>4809 BERYL RD; RALEIGH, NC</u>	Tel. No. <u>919 835-8007</u>
Lab <u>ANALYTICS</u>	Address <u>8040 VILLA PARK DR; RICHMOND, VA</u>	Tel. No. <u>800 888-8061</u>

IV. UST INFORMATION**V. EXCAVATION CONDITION****VI. ADDITIONAL INFORMATION**

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in excavation		Free product		Notable odor or visible soil contamination	
				Yes	No	Yes	No	Yes	No
103	2,000	6' x 11'	Used Oil	✓			✓		✓

VII. CHECKLIST (CHECK THE ACTIVITIES COMPLETED)**PERMANENT CLOSURE
(For Removal or Abandonment-in-Place)**

- Contact local fire marshal
- Notify DWM Regional Office before abandonment
- Drain and flush piping into tank
- Remove all product and residuals from tank
- Excavate down to tank
- Clean and inspect tank
- Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps, and all other tank fixtures
- Cap or plug all lines except the vent and fill lines
- Purge the tank of all product and flammable vapors
- Cut one or more large holes in the tank
- Backfill the area

Date tank(s) Permanently Closed: 11-04-03

Date of Change in-service: _____

ABANDONMENT IN PLACE

- Fill tank until material overflows tank opening
- Plug or cap all openings
- Disconnect and cap or remove vent line
- Solid inert material used -specify _____

REMOVAL

- Create vent hole
- Label tank
- Dispose of tank in approved manner. Final tank destination:

Waste Management - Kernersville

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete

Print name and official title of owner or owner's authorized representative

ERIC MOTZNO, ENVIRONMENTAL ENGINEER

Signature

Eric Motzno

Date Signed

11-20-03

APPENDIX C

HEALTH AND SAFETY PLAN

NCDOT Camp Burton HEALTH AND SAFETY PLAN

GENERAL INFORMATION

Project Name: NCDOT Camp Burton
Location: 4253 Camp Burton Rd
McLeansville, NC 27310

Project No./Code: Camp Burton W.O.

Site Tel. No. 336-375-5832

KEY PROJECT CONTACTS

NCDOT Project Manager: Eric Motzno
Site Manager: Ashley Cox
Shop Supervisor: Wayne Meadows

Subcontractor: A&D
Post Office Box 484
High Point, NC 27262

Phone No.(s)
Office: 919-733-2220 Fax: 919-733-1192
Office: 919-733-2220
Office: 336-375-5832
Office: 336-434-7750 Fax: 336-434-7752

EMERGENCY REFERENCE LIST

Medical Emergencies

Hospital Name: Alamance Regional Medical Center
Hospital Address: 1240 Huffman Mill Rd
Burlington, NC 27215
Directions to Hospital:
(See attached document)
See attached directions

Hospital Telephone: 911 emergency
336-538-7000

Ambulance:

911

Police:

911

Fire Department:

911

SITE DESCRIPTION

- Site is located at current NCDOT yard, 4253 Camp Burton Rd. McLeansville, NC 27310
- Structures on-site include equipment shops, fueling station, and office buildings
- Depth to water at UST field ~ 20 feet BGS (estimated)

PROJECT SCOPE

- Underground Storage Tank System Closure
- One 2,000 gallon used waste oil UST. Estimated time=4 hours.

PRIMARY CHEMICAL HAZARD (MSDS upon request)

<u>Chemical</u>	<u>Media (soil/water/air/etc)</u>	<u>Max Concentration (if known)</u>
Waste Oil	Soil	Unknown

ADMINISTRATIVE CONTROLS

Training

Tailgate safety meeting must be held prior to commencement of work.

All site visitors must receive a site orientation and a briefing of safety procedures. MSDS will be available for review by any site worker.

Documentation of current HAZWOPER training must be available for review within 24 hours.

Medical Surveillance

Contractor's personnel to be monitored as required by OSHA standards. Documentation of current medical monitoring must be available for review within 24 hours.

ENGINEERING CONTROLS (Discuss, as appropriate)

Site control, as necessary, to include cones, flagging, barricades, fencing, etc. All excavations shall be protected from foot traffic via appropriate fencing or barricades.

Air Monitoring, as necessary, via appropriate monitoring equipment.

Air monitoring should be conducted at least hourly during intrusive activities (drilling, excavation, etc.). If air monitoring indicates organic vapors > 1 ppm continuous (>10 minutes), then air monitoring frequency should be increased to every 15 minutes. If organic vapor concentrations > 5 ppm in ambient air, then respiratory protection equipment should be utilized until concentrations decrease below 5 ppm threshold.

~~HAZARD ANALYSIS OF SPECIAL OPERATIONS~~

TASK NAME:**UST REMOVAL and BACKFILL**

Potential Hazards: (Check all that apply to either existing conditions or are a result of site operations)

- | | | |
|---|--|--|
| (<input type="checkbox"/>) Drilling (rotating machinery) | (<input checked="" type="checkbox"/>) Soil Sampling | (<input checked="" type="checkbox"/>) Slips, trips, falls |
| (<input type="checkbox"/>) Geoprobe Sampling | (<input type="checkbox"/>) Ground Water Sampling | (<input checked="" type="checkbox"/>) Noise (>85 dBA) |
| (<input checked="" type="checkbox"/>) Excavations | (<input checked="" type="checkbox"/>) Vehicle traffic | (<input type="checkbox"/>) Confined Space |
| (<input checked="" type="checkbox"/>) Fire/explosion (underline)
Flam. Materials
Fuel lines | (<input checked="" type="checkbox"/>) Overhead Utilities
Other (list)
Concrete saw | (<input checked="" type="checkbox"/>) Underground Utilities
NC ULOCO 800-632-4949 |

Control or Protective Measures: (Check all that apply)

- | | | |
|---|---|--|
| (<input checked="" type="checkbox"/>) Daily tailgate meetings | (<input checked="" type="checkbox"/>) PPE | (<input checked="" type="checkbox"/>) Site control |
| (<input checked="" type="checkbox"/>) Operator training | (<input type="checkbox"/>) Other: | |

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Initial levels of protection have been assigned per work task. Levels may be upgraded or downgraded depending on site conditions, as determined by the Site Health and Safety Coordinator.

- | | | | | |
|--|---|--|--|-------------------------------------|
| Respirator
(medical monitoring required) | (#) Air-purifying | (<input type="checkbox"/>) ½-Face | (<input type="checkbox"/>) Full-Face | (<input type="checkbox"/>) Other: |
| | Specify Cartridge Type: | Organic Vapor | | |
| Protective Clothing | (<input type="checkbox"/>) Tyvek | (<input type="checkbox"/>) Saranex | (<input checked="" type="checkbox"/>) Traffic Vest | (<input type="checkbox"/>) Other: |
| Head/Eye/Ear | (#) Hard Hat | (#) Safety Glasses | (#) Splash Shield | |
| | (#) Ear plugs | (<input type="checkbox"/>) Other: | | |
| Gloves | (#) Latex/Nitrile | (#) Leather Work Gloves | (<input type="checkbox"/>) Other: | |
| Footwear: | (<input checked="" type="checkbox"/>) Steel toe | (<input type="checkbox"/>) Overboots | (<input type="checkbox"/>) Other: | |

Modifications Permitted: Upgrade as necessary.

X - Required

- As Needed

Note: Level C, B, or A requires a more comprehensive HASP; this plan should be used only as an interim measure.

HAZARD MONITORING EQUIPMENT

Monitoring for potentially hazardous atmospheres shall be conducted, as necessary. Record monitoring results in field book.

Equipment	Location	Equipment	Location
(<input type="checkbox"/>) OVA/FID		(<input type="checkbox"/>) Dræger Tubes	
(<input checked="" type="checkbox"/>) PID/HN μ /TLV	Air, soil screening	(<input type="checkbox"/>) Other:	
(<input checked="" type="checkbox"/>) O ₂ /LEL (Explosimeter)	UST interior	(<input type="checkbox"/>) Air Monitoring Not Necessary	

EMERGENCY EQUIPMENT

- | | |
|---|--|
| (<input checked="" type="checkbox"/>) Fire Extinguisher (s) | (<input checked="" type="checkbox"/>) Mobile Phone |
| (<input checked="" type="checkbox"/>) First Aid Kit | (<input type="checkbox"/>) Other: |

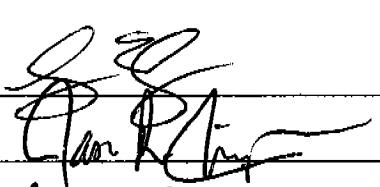
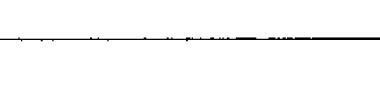
COMMENTS / FIELD MODIFICATIONS:

SUMMARY OF PHYSICAL AND ENVIRONMENTAL SAFETY HAZARDS

Operational Safety Hazards	Control Or Protective Measures
Physical hazards associated with heavy equipment	Equipment will be inspected on a daily basis by the owner/operator; daily logs will be maintained. All discrepancies shall be corrected prior to placing the equipment in service. Blades, buckets, and other heavy equipment will be kept fully lowered when not in use; parking brakes must be engaged. Equipment parked on inclines shall have the wheels chocked and the parking brake set. Equipment shall not be used on unstable or unsafe inclines. Increase communication effectiveness with operators using hand signals, radios (as appropriate), and line-of-sight confirmation. Seat belts will be worn as applicable by operators of heavy equipment.
Entanglement in rotating or moving equipment	Equipment shall not be operated without guards. Loose-fitting or dangling clothes, hair, and jewelry are prohibited. Stay clear of rotating equipment and pinch points, such as cables and pulleys. Do not reach into any rotating machinery. Site personnel will be aware of the location and proper operation of emergency shut-down equipment (kill-switches, etc.), and procedures. Site staff will not stabilize moving equipment with hands.
Back injuries due to improper lifting of drums, augers, etc.	Workers will use proper lifting techniques, lifting with the legs and not the back, providing this posture brings the load closure to the body. Whenever possible, mechanical devices such as drum dollies, hand trucks, and tool hoists should be used to lift or move heavy loads.
Slips, trips, and falls	Clear work area of obstructions and debris prior to commencement of site work. Keep stairs and immediate work areas clear; do not allow oil/grease and excessive mud to accumulate in these areas. Approved fall protection with shock absorbing lines shall be provided and its use required for each employee working >6 ft. above the platform or main work deck. Work at this height is prohibited unless equipped with an appropriate ladder intended for use on such equipment. Wherever possible, slip, trip, and fall hazards will be eliminated or clearly identified with caution tape, barricades, or equivalent means.
Noise	Hearing protection shall be worn during operation of heavy equipment, pneumatic power tools, steam cleaners, and other equipment generating >85 dBA.
Fire and explosion	ABC fire extinguishers must be accessible in the work area. Flammables must be stored in UL- and OSHA- approved safety cans with spark arrestors. Plastic containers are prohibited. Flammable containers must be stored >50 ft. from heavy equipment; portable (flammable) tanks must be >100 ft. from heavy equipment. The exhausts of equipment powered by internal combustion engines will be located well away from flammables and combustibles. Hot work permits/approvals must be secured prior to welding or cutting. Compressed gases must be stored and used in a safe manner. Equipment, e.g., generators, shall not be refueled while in operation, or while hot enough to ignite fuel vapors. Such equipment will be adequately bonded and grounded. Operations that pose fire hazards should be conspicuously marked: "No Smoking or Open Flames."
Utilities (underground and overhead)	Locate all overhead and underground power lines by public or private utility marking service, as necessary. Reviewing engineering drawings; and by discussion with appropriate personnel. Confirm exact location of lines with hand tools, not heavy equipment. Site work will cease in the event of imminent lightning storms.
Excavation (Trench collapse or cave-in)	Whenever possible, workers shall not enter trenches or test pits to collect samples but use remote equipment or devices, e.g., backhoe buckets, hand augers, shovels, or equivalent.. If entry is required at depths >4 ft., then use of OSHA sloping or shoring, a "competent" person to inspect trench prior to entry, emergency retrieval systems, safe ladders, and use of a confined space entry permit as required to ensure safe atmospheres must be implemented. All trenches/excavations shall be properly signed and barricaded to restrict unauthorized pedestrian and vehicular traffic.
Vehicular traffic	Place adequate traffic cones, barricades, and any necessary signs to prevent unauthorized site traffic and injury to pedestrians. Wear orange reflective safety vests to prevent pedestrian injury, when applicable. Use reverse alarms on vehicles when necessary.

I have had the opportunity to read and ask questions about this health and safety plan. My signature indicates that I understand the procedures and restrictions of this plan and agree to abide by them.

Attachment: Driving Directions To Hospital

DANGER IN THE GATE SAFETY TRAINING AND DISCUSSION FORM	
Date:	<u>11/4/03</u>
Topics Discussed:	<u>Buried utilities ; explosive vapors; slips - trips - falls</u>
Comments:	
Attendees Signature:	 
Conducted by:	<u>Eric Motte</u>
Signature:	

Conducted by:

Eric Moyer

Signature:

Directions from NCDOT Camp Burton Site to Alamance Regional Medical Center

Start out going East on CAMP BURTON RD toward HUFFINE MILL RD
Turn right on HUFFINE MILL RD.
Turn left onto WILLOWLAKE RD
Turn left onto FOURMILE LOOP/ US-70
Merge onto I-840S toward I-40/ I-85
Merge onto I-40E/ I-85N via EXIT 19 toward Raleigh/ Durham
Take EXIT 141 toward Elon College
Turn right onto HUFFMAN MILL RD

Estimated Time: 25 minutes

Estimated Distance: 16 miles

APPENDIX D

PRODUCT DISPOSAL MANIFEST



RECOVERY SERVICES MID-ATLANTIC INC.
ROUTE COLLECTION RECEIPT/INVOICE
1-888-749-8344

Please Check the Designated Facility

- Baltimore, Maryland
- Alexandria, Virginia
- Rockville, Virginia
- Chesapeake, Virginia
- Roanoke, Virginia

- Concord, North Carolina
- Greensboro, North Carolina
- Autryville, North Carolina
- Salisbury, Maryland
- Other _____

RECEIPT/INVOICE

E - 140038

Generator:

Name: NC DOT - #7 Shop
Address: 4261 Camp Burton Rd
City: McLeansville State: NC Zip: 27301 Contact: _____
Phone: _____

SERVICE RECEIPT

Ticket No:

Date: 10/10/03

SERVICE PROVIDED

USED OIL COLLECTION

USED OIL

OILY WATER

USED ANTIFREEZE

USED OIL FILTERS

Crushed

Uncrushed

	AMOUNT DUE
\$/stop	\$ _____
\$/gal	\$ _____
\$/gal	\$ _____
\$/gal	\$ _____
/drum	\$ _____
#	240
gallons	_____
gallons	_____
gallons	_____
drums	_____

ABSORBENTS

Collection

Delivery

TOTE RENTAL/SETUP

OTHER

/drum	# _____	drums	\$ _____
bags/boxes	# _____	bags/boxes	\$ _____
			\$ _____
			\$ _____
			\$ _____
			\$ _____
			\$ _____
			\$ _____

Comments:

TOTAL AMOUNT DUE
AMOUNT PAID TO DRIVER
NET DUE
PAYMENT FOR PRIOR INVOICE
INVOICE NUMBER

TRANSPORTER:
VIVENDI WATER TRANSPORT, INC.
SOUTH BEND, IN 46628

INR000022798
(800) 355-2383

TRUCK #

81

TERRITORY

50

CUSTOMER #

NC04323

DATE

10/10/03

On Account Cash Check Visa MasterCard AMEX

Card Holder _____

Card #: _____ Exp. _____

CARD HOLDER SIGNATURE: _____

DRIVER NAME: _____

DRIVER SIGNATURE: _____

WHEN REMITTING PAYMENT SEND
CHECK OR MONEY ORDER ONLY TO:

WHITE - OFFICE

GENERATOR CERTIFICATION (This section to be completed by Generator)

- Check if Conditionally Exempt Small Quantity Generator as defined in 40 CFR 261.
- Check if Do-it-yourself collection center

The GENERATOR hereby certifies that the material collected from the GENERATOR's facility by US Filter does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined in 40 CFR 261. The GENERATOR will be responsible for any and all cost including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. I certify that to the best of my knowledge, the information presented herein is correct and accurate, and I am authorized to sign on behalf of the GENERATOR.

Print Name: _____

Signature: _____

U.S. Filter Recovery Services (Mid-Atlantic), Inc.
P.O. Box 75391 • Baltimore, MD 21275

YELLOW - CUSTOMER

PLEASE NOTE THE RECEIPT/INVOICE NUMBER
ON YOUR CHECK AND RETAIN
THIS RECEIPT/INVOICE FOR YOUR RECORDS
GREEN - ACCOUNTING

APPENDIX E

TANK DISPOSAL MANIFEST

A & D Environmental and Industrial Services
P.O. Box 484 • High Point, NC • Phone (336) 434-7750 • FAX (336) 434-7752

TANK DISPOSAL MANIFEST

AD-032846

APPENDIX F

LABORATORY ANALYSES



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No.: H309-040
Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION
4809 BERYL ROAD
RALEIGH, NC 27606

The following types of samples were submitted for analysis on November 05, 2003

3 - Soil Sample

Attached are the results we obtained on the analysis of your samples. Any Chains-of-Custody associated with this sample group are enclosed. Also enclosed is a copy of the Sample Container Receipt Form. The Sample Container Receipt Form documents the condition of the sample upon arrival at the laboratory. The last page of this report is identified by the signature of a designated laboratory manager(s). Any reproduction of this report, except in full, is not permitted without written approval of the laboratory manager and the QA manager.

The analyses performed are based on the referenced method. For details on the analytical process refer to the Standard Operating Procedure for the referenced method. The signatures at the end of this report certify that the results are based on the referenced methods and unless otherwise noted meet the requirements of NELAC.

Unless otherwise specified all analyses of solid materials are based on dry weight.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our client services department (800-888-8061).

Thank you for your business.

North Carolina State Certification (Environmental): 459
North Carolina State Certification (Drinking Water): 51700



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

***** FINAL REPORT *****

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time
-001 SS-1	Sample Date:	11/04/03 10:30		
	Chromium	4.46 ug/g	4.00	HB 11/11/03 13:43
	Lead	< 4.00 ug/g	4.00	HB 11/11/03 13:43
	EPH (Mass Method)			
	C11-C22 AROMATIC	< 10 mg/kg	10	MTS 11/17/03 11:04
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS 11/16/03 20:41
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS 11/16/03 20:41
	8270 Extraction	Complt	--	MCL 11/13/03 15:57
	EPH EXTRACT	COMPLT	--	mcl 11/14/03 17:59
	Percent Moisture	31.5 %	.5	JHV 11/14/03 17:59
	Semi-volatile Organics by Method 8270			
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS 11/14/03 18:35
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS 11/14/03 18:35
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS 11/14/03 18:35
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS 11/14/03 18:35
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS 11/14/03 18:35
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS 11/14/03 18:35
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS 11/14/03 18:35
	2-Chloronaphthalene	< 1 mg/kg	1	MTS 11/14/03 18:35
	2-Chlorophenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	2-Methylnaphthalene	< 1 mg/kg	1	MTS 11/14/03 18:35



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time
-001 SS-1	Sample Date:	11/04/03 10:30		
	2-Methylphenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	2-Nitroaniline	< 1 mg/kg	1	MTS 11/14/03 18:35
	2-Nitrophenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS 11/14/03 18:35
	3-Nitroaniline	< 2 mg/kg	2	MTS 11/14/03 18:35
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS 11/14/03 18:35
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS 11/14/03 18:35
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	4-Chloroaniline	< 1 mg/kg	1	MTS 11/14/03 18:35
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS 11/14/03 18:35
	4-Methylphenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	4-Nitronaniline	< 1 mg/kg	1	MTS 11/14/03 18:35
	4-Nitrophenol	< 1 mg/kg	1	MTS 11/14/03 18:35
	Acenaphthene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Acenaphthylene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Anthracene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Benzoic Acid	< 4 mg/kg	4	MTS 11/14/03 18:35
	Benzyl Alcohol	< 1 mg/kg	1	MTS 11/14/03 18:35
	Butylbenzylphthalate	< 1 mg/kg	1	MTS 11/14/03 18:35
	Chrysene	< 1 mg/kg	1	MTS 11/14/03 18:35
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS 11/14/03 18:35
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS 11/14/03 18:35
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS 11/14/03 18:35



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O. PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-001 SS-1	Sample Date:	11/04/03 10:30			
	Dibenzofuran	< 1 mg/kg	1	MTS	11/14/03 18:35
	Diethylphthalate	< 1 mg/kg	1	MTS	11/14/03 18:35
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	11/14/03 18:35
	Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Fluorene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Hexachlorobenzene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Hexachloroethane	< 1 mg/kg	1	MTS	11/14/03 18:35
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	11/14/03 18:35
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	11/14/03 18:35
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	11/14/03 18:35
	Naphthalene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Nitrobenzene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Pentachlorophenol	< 4 mg/kg	4	MTS	11/14/03 18:35
	Phenanthrene	< 1 mg/kg	1	MTS	11/14/03 18:35
	Phenol	< 1 mg/kg	1	MTS	11/14/03 18:35
	Pyrene	< 1 mg/kg	1	MTS	11/14/03 18:35
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	11/14/03 18:35
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	11/14/03 18:35
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	11/14/03 18:35
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	11/14/03 18:35
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 12:34
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 12:34
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	11/09/03 12:34



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time
-001 SS-1	Sample Date:	11/04/03 10:30		
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2 Dibromoethane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2 Dichloroethane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2 Dichloroproppane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB 11/09/03 12:34
	1,2,3 Trichloroproppane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB 11/09/03 12:34
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,3 Dichloroproppane	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB 11/09/03 12:34
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB 11/09/03 12:34
	2,2-Dichloroproppane	< 50 ug/kg	50	LLB 11/09/03 12:34
	2-Butanone	< 50 ug/kg	50	LLB 11/09/03 12:34
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB 11/09/03 12:34
	2-Chlorotoluene	< 50 ug/kg	50	LLB 11/09/03 12:34
	2-Hexanone	< 50 ug/kg	50	LLB 11/09/03 12:34
	4-Chlorotoluene	< 50 ug/kg	50	LLB 11/09/03 12:34
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB 11/09/03 12:34
	Acetone	< 250 ug/kg	250	LLB 11/09/03 12:34
	Acetonitrile	< 50 ug/kg	50	LLB 11/09/03 12:34
	Acrolein	< 50 ug/kg	50	LLB 11/09/03 12:34
	Acrylonitrile	< 50 ug/kg	50	LLB 11/09/03 12:34
	Benzene	< 50 ug/kg	50	LLB 11/09/03 12:34



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-001 SS-1	Sample Date:	11/04/03 10:30			
	Bromobenzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Bromoform	< 50 ug/kg	50	LLB	11/09/03 12:34
	Bromomethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	11/09/03 12:34
	Chlorobenzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Chlorodibromomethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	Chloroethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	Chloroform	< 50 ug/kg	50	LLB	11/09/03 12:34
	Chloromethane	< 100 ug/kg	100	LLB	11/09/03 12:34
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Dibromomethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	Ethyl methacrylate	< 50 ug/kg	50	LLB	11/09/03 12:34
	Ethylbenzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	11/09/03 12:34
	Iodomethane	< 500 ug/kg	500	LLB	11/09/03 12:34
	Isopropyl Ether	< 50 ug/kg	50	LLB	11/09/03 12:34
	Isopropyl benzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	M,P Xylene	< 100 ug/kg	100	LLB	11/09/03 12:34
	Methacrylonitrile	< 50 ug/kg	50	LLB	11/09/03 12:34
	Methyl methacrylate	< 50 ug/kg	50	LLB	11/09/03 12:34
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	11/09/03 12:34
	Methylene Chloride	< 50 ug/kg	50	LLB	11/09/03 12:34
	N-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 12:34



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O. PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time	
-001 SS-1	Sample Date:	11/04/03 10:30			
	N-Propylbenzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Naphthalene	< 500 ug/kg	500	LLB	11/09/03 12:34
	O-Xylene	< 50 ug/kg	50	LLB	11/09/03 12:34
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Styrene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Tetrachloroethene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Toluene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Trichloroethene	< 50 ug/kg	50	LLB	11/09/03 12:34
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	11/09/03 12:34
	Vinyl Chloride	< 50 ug/kg	50	LLB	11/09/03 12:34
	Vinyl acetate	< 50 ug/kg	50	LLB	11/09/03 12:34
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 15:12
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 15:12
	C9-C12 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 15:12
-002 SS-2	Sample Date:	11/04/03 10:45			
	Chromium	10.1 ug/g	4.00	HB	11/11/03 13:43
	Lead	4.11 ug/g	4.00	HB	11/11/03 13:43
	EPH (Mass Method)				



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-002 SS-2	Sample Date:	11/04/03 10:45			
	C11-C22 AROMATIC	< 10 mg/kg	10	MTS	11/17/03 11:36
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS	11/16/03 21:20
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS	11/16/03 21:20
	8270 Extraction	Compt	--	MCL	11/13/03 15:57
	EPH EXTRACT	COMPLT	--	mcl	11/14/03 17:59
	Percent Moisture	28.5 %	.5	JHV	11/14/03 17:59
	Semi-volatile Organics by Method 8270				
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 19:36
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 19:36
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 19:36
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 19:36
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS	11/14/03 19:36
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS	11/14/03 19:36
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS	11/14/03 19:36
	2-Chloronaphthalene	< 1 mg/kg	1	MTS	11/14/03 19:36
	2-Chlorophenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	2-Methylnaphthalene	< 1 mg/kg	1	MTS	11/14/03 19:36
	2-Methylphenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	2-Nitroaniline	< 1 mg/kg	1	MTS	11/14/03 19:36
	2-Nitrophenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS	11/14/03 19:36
	3-Nitroaniline	< 2 mg/kg	2	MTS	11/14/03 19:36



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-002 SS-2	Sample Date:	11/04/03 10:45			
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS	11/14/03 19:36
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS	11/14/03 19:36
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	4-Chloroaniline	< 1 mg/kg	1	MTS	11/14/03 19:36
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS	11/14/03 19:36
	4-Methylphenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	4-Nitronaniline	< 1 mg/kg	1	MTS	11/14/03 19:36
	4-Nitrophenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	Acenaphthene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Acenaphthylene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Anthracene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Benzoic Acid	< 4 mg/kg	4	MTS	11/14/03 19:36
	Benzyl Alcohol	< 1 mg/kg	1	MTS	11/14/03 19:36
	Butylbenzylphthalate	< 1 mg/kg	1	MTS	11/14/03 19:36
	Chrysene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS	11/14/03 19:36
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS	11/14/03 19:36
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Dibenzofuran	< 1 mg/kg	1	MTS	11/14/03 19:36
	Diethylphthalate	< 1 mg/kg	1	MTS	11/14/03 19:36
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	11/14/03 19:36
	Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Fluorene	< 1 mg/kg	1	MTS	11/14/03 19:36



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-002 SS-2	Sample Date: 11/04/03 10:45				
	Hexachlorobenzene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Hexachloroethane	< 1 mg/kg	1	MTS	11/14/03 19:36
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	11/14/03 19:36
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	11/14/03 19:36
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	11/14/03 19:36
	Naphthalene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Nitrobenzene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Pentachlorophenol	< 4 mg/kg	4	MTS	11/14/03 19:36
	Phenanthrene	< 1 mg/kg	1	MTS	11/14/03 19:36
	Phenol	< 1 mg/kg	1	MTS	11/14/03 19:36
	Pyrene	< 1 mg/kg	1	MTS	11/14/03 19:36
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	11/14/03 19:36
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	11/14/03 19:36
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	11/14/03 19:36
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	11/14/03 19:36
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,2 Dibromoethane	< 50 ug/kg	50	LLB	11/09/03 13:12



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time	
-002 SS-2	Sample Date:	11/04/03 10:45			
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,2 Dichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,2 Dichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB	11/09/03 13:12
	1,2,3 Trichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB	11/09/03 13:12
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,3 Dichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	2,2-Dichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:12
	2-Butanone	< 50 ug/kg	50	LLB	11/09/03 13:12
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB	11/09/03 13:12
	2-Chlorotoluene	< 50 ug/kg	50	LLB	11/09/03 13:12
	2-Hexanone	< 50 ug/kg	50	LLB	11/09/03 13:12
	4-Chlorotoluene	< 50 ug/kg	50	LLB	11/09/03 13:12
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB	11/09/03 13:12
	Acetone	< 250 ug/kg	250	LLB	11/09/03 13:12
	Acetonitrile	< 50 ug/kg	50	LLB	11/09/03 13:12
	Acrolein	< 50 ug/kg	50	LLB	11/09/03 13:12
	Acrylonitrile	< 50 ug/kg	50	LLB	11/09/03 13:12
	Benzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Bromobenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Bromoform	< 50 ug/kg	50	LLB	11/09/03 13:12
	Bromomethane	< 100 ug/kg	100	LLB	11/09/03 13:12



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-002 SS-2	Sample Date:	11/04/03 10:45			
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	11/09/03 13:12
	Carbon disulfide	< 50 ug/kg	50	LLB	11/09/03 13:12
	Chlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Chlorodibromomethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	Chloroethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	Chloroform	< 50 ug/kg	50	LLB	11/09/03 13:12
	Chloromethane	< 100 ug/kg	100	LLB	11/09/03 13:12
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Dibromomethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	Ethyl methacrylate	< 50 ug/kg	50	LLB	11/09/03 13:12
	Ethylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	11/09/03 13:12
	Iodomethane	< 500 ug/kg	500	LLB	11/09/03 13:12
	Isopropyl Ether	< 50 ug/kg	50	LLB	11/09/03 13:12
	Isopropyl benzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	M,P Xylene	< 100 ug/kg	100	LLB	11/09/03 13:12
	Methacrylonitrile	< 50 ug/kg	50	LLB	11/09/03 13:12
	Methyl methacrylate	< 50 ug/kg	50	LLB	11/09/03 13:12
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	11/09/03 13:12
	Methylene Chloride	< 50 ug/kg	50	LLB	11/09/03 13:12
	N-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	N-Propylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Naphthalene	< 500 ug/kg	500	LLB	11/09/03 13:12
	O-Xylene	< 50 ug/kg	50	LLB	11/09/03 13:12
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O. PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-002 SS-2	Sample Date:	11/04/03 10:45			
	Styrene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Tetrachloroethene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Toluene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Trichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:12
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	11/09/03 13:12
	Vinyl Chloride	< 50 ug/kg	50	LLB	11/09/03 13:12
	Vinyl acetate	< 50 ug/kg	50	LLB	11/09/03 13:12
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 15:52
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 15:52
	C9-C12 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 15:52
-003 SS-3	Sample Date:	11/04/03 11:15			
	Chromium	7.56 ug/g	4.00	HB	11/11/03 13:43
	Lead	11.3 ug/g	4.00	HB	11/11/03 13:43
	EPH (Mass Method)				
	C11-C22 AROMATIC	< 10 mg/kg	10	MTS	11/17/03 12:40
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS	11/16/03 22:38
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS	11/16/03 22:38
	8270 Extraction	Compl	--	MCL	11/13/03 15:57



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-003 SS-3	Sample Date:	11/04/03 11:15			
EPH EXTRACT					
	Percent Moisture	COMPLT 29.4 %	-- .5	mcl JHV	11/14/03 17:59 11/14/03 17:59
Semi-volatile Organics by Method 8270					
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 20:36
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 20:36
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 20:36
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS	11/14/03 20:36
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS	11/14/03 20:36
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS	11/14/03 20:36
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS	11/14/03 20:36
	2-Chloronaphthalene	< 1 mg/kg	1	MTS	11/14/03 20:36
	2-Chlorophenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	2-Methylnaphthalene	< 1 mg/kg	1	MTS	11/14/03 20:36
	2-Methylphenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	2-Nitroaniline	< 1 mg/kg	1	MTS	11/14/03 20:36
	2-Nitrophenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS	11/14/03 20:36
	3-Nitroaniline	< 2 mg/kg	2	MTS	11/14/03 20:36
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS	11/14/03 20:36
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS	11/14/03 20:36
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	4-Chloroaniline	< 1 mg/kg	1	MTS	11/14/03 20:36
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS	11/14/03 20:36



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-003 SS-3	Sample Date:	11/04/03 11:15			
	4-Methylphenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	4-Nitronaniline	< 1 mg/kg	1	MTS	11/14/03 20:36
	4-Nitrophenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	Acenaphthene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Acenaphthylene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Anthracene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Benzoic Acid	< 4 mg/kg	4	MTS	11/14/03 20:36
	Benzyl Alcohol	< 1 mg/kg	1	MTS	11/14/03 20:36
	Butylbenzylphthalate	< 1 mg/kg	1	MTS	11/14/03 20:36
	Chrysene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS	11/14/03 20:36
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS	11/14/03 20:36
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Dibenzofuran	< 1 mg/kg	1	MTS	11/14/03 20:36
	Diethylphthalate	< 1 mg/kg	1	MTS	11/14/03 20:36
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	11/14/03 20:36
	Fluoranthene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Fluorene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Hexachlorobenzene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Hexachloroethane	< 1 mg/kg	1	MTS	11/14/03 20:36
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	11/14/03 20:36



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-003 SS-3	Sample Date: 11/04/03 11:15				
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	11/14/03 20:36
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	11/14/03 20:36
	Naphthalene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Nitrobenzene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Pentachlorophenol	< 4 mg/kg	4	MTS	11/14/03 20:36
	Phenanthrene	< 1 mg/kg	1	MTS	11/14/03 20:36
	Phenol	< 1 mg/kg	1	MTS	11/14/03 20:36
	Pyrene	< 1 mg/kg	1	MTS	11/14/03 20:36
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	11/14/03 20:36
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	11/14/03 20:36
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	11/14/03 20:36
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	11/14/03 20:36
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,2 Dibromoethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,2 Dichloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,2 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB	11/09/03 13:51
	1,2,3 Trichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:51



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time	
-003 SS-3	Sample Date:	11/04/03 11:15			
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB	11/09/03 13:51
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,3 Dichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	2,2-Dichloropropane	< 50 ug/kg	50	LLB	11/09/03 13:51
	2-Butanone	< 50 ug/kg	50	LLB	11/09/03 13:51
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB	11/09/03 13:51
	2-Chlorotoluene	< 50 ug/kg	50	LLB	11/09/03 13:51
	2-Hexanone	< 50 ug/kg	50	LLB	11/09/03 13:51
	4-Chlorotoluene	< 50 ug/kg	50	LLB	11/09/03 13:51
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB	11/09/03 13:51
	Acetone	< 250 ug/kg	250	LLB	11/09/03 13:51
	Acetonitrile	< 50 ug/kg	50	LLB	11/09/03 13:51
	Acrolein	< 50 ug/kg	50	LLB	11/09/03 13:51
	Acrylonitrile	< 50 ug/kg	50	LLB	11/09/03 13:51
	Benzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Bromobenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Bromochloromethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	Bromodichloromethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	Bromoform	< 50 ug/kg	50	LLB	11/09/03 13:51
	Bromomethane	< 100 ug/kg	100	LLB	11/09/03 13:51
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	11/09/03 13:51
	Carbon disulfide	< 50 ug/kg	50	LLB	11/09/03 13:51
	Chlorobenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Chlorodibromomethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	Chloroethane	< 50 ug/kg	50	LLB	11/09/03 13:51



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-003 SS-3	Sample Date:	11/04/03 11:15			
	Chloroform	< 50 ug/kg	50	LLB	11/09/03 13:51
	Chloromethane	< 100 ug/kg	100	LLB	11/09/03 13:51
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Dibromomethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	Ethyl methacrylate	< 50 ug/kg	50	LLB	11/09/03 13:51
	Ethylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	11/09/03 13:51
	Iodomethane	< 500 ug/kg	500	LLB	11/09/03 13:51
	Isopropyl Ether	< 50 ug/kg	50	LLB	11/09/03 13:51
	Isopropyl benzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	M,P Xylene	< 100 ug/kg	100	LLB	11/09/03 13:51
	Methacrylonitrile	< 50 ug/kg	50	LLB	11/09/03 13:51
	Methyl methacrylate	< 50 ug/kg	50	LLB	11/09/03 13:51
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	11/09/03 13:51
	Methylene Chloride	< 50 ug/kg	50	LLB	11/09/03 13:51
	N-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	N-Propylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Naphthalene	< 500 ug/kg	500	LLB	11/09/03 13:51
	O-Xylene	< 50 ug/kg	50	LLB	11/09/03 13:51
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Styrene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Tetrachloroethene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Toluene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:51



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21
Sample Type: 3 - Soil Sample(s)
Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-003	SS-3	Sample Date: 11/04/03 11:15			
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Trichloroethene	< 50 ug/kg	50	LLB	11/09/03 13:51
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	11/09/03 13:51
	Vinyl Chloride	< 50 ug/kg	50	LLB	11/09/03 13:51
	Vinyl acetate	< 50 ug/kg	50	LLB	11/09/03 13:51
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 16:31
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 16:31
	C9-C12 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	11/14/03 16:31

Terphenyl-d14 analyzed by Method 8270 had recovery above QC limits. Internal standard failure confirmed by samples from same project.

Nitrobenzene-d5 and 2-Fluorobiphenyl analyzed by Method 8270 had recovery below QC limits. Surrogate failure confirmed by samples from same project.

Perylene-d14 analyzed by Method 8270 had recovery above QC limits. Internal standard failure confirmed by samples from same project.

Nitrobenzene-d5 and 2-Fluorobiphenyl analyzed by Method 8270 had recoveries below QC limits. Surrogate failure confirmed by samples from same project.

Perylene-d12 analyzed by Method 8270 had recovery above QC limits. Internal standard failure confirmed by samples from same project.



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst Date/Time
-003	SS-3	Sample Date: 11/04/03 11:15		

Nitrobenzene-d5 and 2-Fluorobiphenyl analyzed by Method 8270 had recoveries below QC limits. Surrogate failure confirmed by samples from same project.

The Fractionation Surrogate recovery for MADEP EPH was below QC limits for the following samples: 309-40-001, 309-40-002, 309-40-003, 309-41-001, 309-41-002, 314-16-001, 314-16-002, 314-16-003, 314-17-001, 314-17-002, and 304-17-003.

The matrix spike and matrix spike duplicate for chromium and lead recovered low due to the matrix and the concentration of analyte in the samples.

The follow matrix spike and matrix spike duplicate compounds analyzed by Method 8270 had recoveries below QC limits: 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene, and Acenaphthene.

The matrix spike/duplicate RPD analyzed by Method 8270 was above QC limits for Acenaphthene.

Report Limit=PQL=Practical Quantitation Limit; DL=Lowest reportable value

Abbreviations: ug/L = micrograms per liter, mg/L = milligrams per liter, ug/g = micrograms per gram, mg/kg = milligrams per kilogram, ug/wp = ug/wipe, ug/ml = micrograms per milliliter, PQL = Practical Quantitation Limit. uS = microsiemens/centimeter at 25 degrees Celsius, ppb = parts per billion.



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Summary of Analytical Methods

Compound Name	Analytical Method	Abbreviation
1,1 Dichloroethane	SW846 Method 8260B/5035	1,1 DCE
1,1 Dichloroethene	SW846 Method 8260B/5035	1,1 DCENE
1,1 Dichloropropene	SW846 Method 8260B/5035	1,1 DCPENE
1,1,1 Trichloroethane	SW846 Method 8260B/5035	1,1,1 TCE
1,1,1,2 Tetrachloroethane	SW846 Method 8260B/5035	1,1,1,2 TETCH
1,1,2 Trichloroethane	SW846 Method 8260B/5035	1,1,2 TCE
1,1,2,2 Tetrachloroethane	SW846 Method 8260B/5035	1,1,2,2 TETCH
1,2 Dibromo-3-Chloropropane	SW846 Method 8260B/5035	DBCP
1,2 Dibromoethane	SW846 Method 8260B/5035	1,2 DBE
1,2 Dichlorobenzene	SW846 Method 8260B/5035	1,2 DCB
1,2 Dichloroethane	SW846 Method 8260B/5035	1,2 DCE
1,2 Dichloropropane	SW846 Method 8260B/5035	1,2 DCP
1,2,3 Trichlorobenzene	SW846 Method 8260B/5035	1,2,3 TCB
1,2,3 Trichloropropane	SW846 Method 8260B/5035	1,2,3 TCP
1,2,4 Trichlorobenzene	SW846 Method 8260B/5035	1,2,4 TCB
1,2,4 Trimethylbenzene	SW846 Method 8260B/5035	1,2,4 TMB
1,3 Dichlorobenzene	SW846 Method 8260B/5035	1,3 DCB
1,3 Dichloropropane	SW846 Method 8260B/5035	1,3 DCP
1,3,5 Trimethylbenzene	SW846 Method 8260B/5035	1,3,5 TMB
1,4 Dichlorobenzene	SW846 Method 8260B/5035	1,4 DCB
2,2-Dichloropropane	SW846 Method 8260B/5035	2,2 DCP
2-Butanone	SW846 Method 8260B/5035	----
2-Chloroethyl Vinyl Ether	SW846 Method 8260B/5035	----
2-Chlorotoluene	SW846 Method 8260B/5035	2-CHLTOL
2-Hexanone	SW846 Method 8260B/5035	----
4-Chlorotoluene	SW846 Method 8260B/5035	----
4-Methyl-2-Pentanone	SW846 Method 8260B/5035	----
Acetone	SW846 Method 8260B/5035	----
Acetonitrile	SW846 Method 8260B/5035	----
Acrolein	SW846 Method 8260B/5035	----
Acrylonitrile	SW846 Method 8260B/5035	----
Benzene	SW846 Method 8260B/5035	----



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Analytical Method - continued

-003 SS-3 Sample Date: 11/04/03 11:15

Bromobenzene	SW846	Method 8260B/5035	-----
Bromochloromethane	SW846	Method 8260B/5035	BCM
Bromodichloromethane	SW846	Method 8260B/5035	BDCM
Bromoform	SW846	Method 8260B/5035	-----
Bromomethane	SW846	Method 8260B/5035	-----
Carbon Tetrachloride	SW846	Method 8260B/5035	CARBON TET
Carbon disulfide	SW846	Method 8260B/5035	-----
Chlorobenzene	SW846	Method 8260B/5035	-----
Chlorodibromomethane	SW846	Method 8260B/5035	CDBM
Chloroethane	SW846	Method 8260B/5035	-----
Chloroform	SW846	Method 8260B/5035	-----
Chloromethane	SW846	Method 8260B/5035	-----
Cis-1,2 Dichloroethene	SW846	Method 8260B/5035	CIS-1, 2 DCENE
Cis-1,3 Dichloropropene	SW846	Method 8260B/5035	-----
Dibromomethane	SW846	Method 8260B/5035	-----
Dichlordifluoromethane	SW846	Method 8260B/5035	DCDFM
Ethyl methacrylate	SW846	Method 8260B/5035	-----
Ethylbenzene	SW846	Method 8260B/5035	-----
Hexachlorobutadiene	SW846	Method 8260B/5035	HCBUTAD
Iodomethane	SW846	Method 8260B/5035	-----
Isopropyl Ether	SW846	Method 8260B/5035	-----
Isopropyl benzene	SW846	Method 8260B/5035	IPB
M,P Xylene	SW846	Method 8260B/5035	-----
Methacrylonitrile	SW846	Method 8260B/5035	-----
Methyl methacrylate	SW846	Method 8260B/5035	-----
Methyl t-Butyl Ether	SW846	Method 8260B/5035	-----
Methylene Chloride	SW846	Method 8260B/5035	-----
N-Butylbenzene	SW846	Method 8260B/5035	-----
N-Propylbenzene	SW846	Method 8260B/5035	-----
Naphthalene	SW846	Method 8260B/5035	-----
O-Xylene	SW846	Method 8260B/5035	-----
P-Isopropyltoluene	SW846	Method 8260B/5035	P-IPT



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Analytical Method - continued

-003 SS-3 Sample Date: 11/04/03 11:15

Sec-Butylbenzene	SW846	Method 8260B/5035	S-BUTYLBENZENE
Styrene	SW846	Method 8260B/5035	----
Tert-Butylbenzene	SW846	Method 8260B/5035	TERT-BUTYLBEN
Tetrachloroethene	SW846	Method 8260B/5035	TETCHLENE
Toluene	SW846	Method 8260B/5035	----
Trans-1,2 Dichloroethene	SW846	Method 8260B/5035	TRANS-1,2 DCENE
Trans-1,3 Dichloropropene	SW846	Method 8260B/5035	----
Trichloroethene	SW846	Method 8260B/5035	----
Trichlorofluoromethane	SW846	Method 8260B/5035	TCFM
Vinyl Chloride	SW846	Method 8260B/5035	----
Vinyl acetate	SW846	Method 8260B/5035	----
8270 Extraction	SW846	Method 3510/3550	----
1,2,4-Trichlorobenzene	SW846	Method 8270C	----
1,2-Dichlorobenzene	SW846	Method 8270C	----
1,3-Dichlorobenzene	SW846	Method 8270C	----
1,4-Dichlorobenzene	SW846	Method 8270C	----
2,4,5-Trichlorophenol	SW846	Method 8270C	----
2,4,6-Trichlorophenol	SW846	Method 8270C	----
2,4-Dichlorophenol	SW846	Method 8270C	----
2,4-Dimethylphenol	SW846	Method 8270C	----
2,4-Dinitrophenol	SW846	Method 8270C	----
2,4-Dinitrotoluene	SW846	Method 8270C	----
2,6-Dinitrotoluene	SW846	Method 8270C	----
2-Chloronaphthalene	SW846	Method 8270C	----
2-Chlorophenol	SW846	Method 8270C	----
2-Methylnaphthalene	SW846	Method 8270C	----
2-Methylphenol	SW846	Method 8270C	----
2-Nitroaniline	SW846	Method 8270C	----
2-Nitrophenol	SW846	Method 8270C	----
3,3'-Dichlorobenzidine	SW846	Method 8270C	----
3-Nitroaniline	SW846	Method 8270C	----
4,6-Dinitro-2-Methylphenol	SW846	Method 8270C	----



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Analytical Method - continued

-003 SS-3 Sample Date: 11/04/03 11:15

4-Bromophenyl-phenylether	SW846	Method 8270C	-----
4-Chloro-3-Methylphenol	SW846	Method 8270C	-----
4-Chloroaniline	SW846	Method 8270C	-----
4-Chlorophenyl-phenylether	SW846	Method 8270C	-----
4-Methylphenol	SW846	Method 8270C	-----
4-Nitronaniline	SW846	Method 8270C	-----
4-Nitrophenol	SW846	Method 8270C	-----
Acenaphthene	SW846	Method 8270C	-----
Acenaphthylene	SW846	Method 8270C	-----
Anthracene	SW846	Method 8270C	-----
Benzo(a)Anthracene	SW846	Method 8270C	-----
Benzo(a)Pyrene	SW846	Method 8270C	-----
Benzo(b)Fluoranthene	SW846	Method 8270C	-----
Benzo(g,h,i)Perylene	SW846	Method 8270C	-----
Benzo(k)Fluoranthene	SW846	Method 8270C	-----
Benzoic Acid	SW846	Method 8270C	-----
Benzyl Alcohol	SW846	Method 8270C	-----
Butylbenzylphthalate	SW846	Method 8270C	-----
Chrysene	SW846	Method 8270C	-----
Di-N-Butylphthalate	SW846	Method 8270C	-----
Di-n-Octyl Phthalate	SW846	Method 8270C	-----
Dibenzo(a,h)Anthracene	SW846	Method 8270C	-----
Dibenzofuran	SW846	Method 8270C	-----
Diethylphthalate	SW846	Method 8270C	-----
Dimethyl Phthalate	SW846	Method 8270C	-----
Fluoranthene	SW846	Method 8270C	-----
Fluorene	SW846	Method 8270C	-----
Hexachlorobenzene	SW846	Method 8270C	-----
Hexachlorobutadiene	SW846	Method 8270C	-----
Hexachlorocyclopentadiene	SW846	Method 8270C	-----
Hexachloroethane	SW846	Method 8270C	-----
Indeno(1,2,3-cd)Pyrene	SW846	Method 8270C	-----



ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H309-040
Account No. 32409125
Report Date: 11/19/03

ERIC MOTZNO
NC DEPT OF TRANSPORTATION

4809 BERYL ROAD
RALEIGH, NC 27606

Final Report

Date Received: 11/05/03 11:21

Sample Type: 3 - Soil Sample(s)

Project: CAMP BURTON W.O.

PO Number: 4300001361

Analytical Method - continued

-003 SS-3 Sample Date: 11/04/03 11:15

N-Nitroso-Di-n-Propylamine	SW846 Method 8270C	----
N-Nitrosodiphenylamine	SW846 Method 8270C	----
Naphthalene	SW846 Method 8270C	----
Nitrobenzene	SW846 Method 8270C	----
Pentachlorophenol	SW846 Method 8270C	----
Phenanthrone	SW846 Method 8270C	----
Phenol	SW846 Method 8270C	----
Pyrene	SW846 Method 8270C	----
bis (-2-Chloroethoxy) Methane	SW846 Method 8270C	----
bis (-2-Chloroethyl) Ether	SW846 Method 8270C	----
bis(2-Chloroisopropyl) Ether	SW846 Method 8270C	----
bis(2-Ethylhexyl) Phthalate	SW846 Method 8270C	----
Chromium	SW846 3050/6010	----
EPH EXTRACT	EPA Method 3630	----
C11-C22 AROMATIC	MADEP-EPH	----
C19-C36 ALIPHATIC	MADEP-EPH	----
C9-C18 ALIPHATIC	MADEP-EPH	----
Lead	SW846 3050/6010	Pb
Percent Moisture	SW846 3550 Sec. 7.2	% Moisture
C5-C8 Aliphatic Hydrocarbons	MADEP VPH	----
C9-C10 Aromatic Hydrocarbons	MADEP VPH	----
C9-C12 Aliphatic Hydrocarbons	MADEP VPH	----

Christopher M. Lapallo
Environmental Services

James A. Calpin, CIH
Laboratory Director
Page 25

MANALYTICS

Account Name: NC DOT

Sample Container Receipt Form:

Sample Identification	SS-1	SS-2	SS-3			
Type of Container	Jar/Plast	Jar/Plast	Jar/Plast			
Number of Containers	6	6	6			
Temperature on Arrival	-	-	-			
pH on Arrival	-	-	-			
Chlorine on Arrival (ppm)	-	-	-			
VOA Sample Condition	g ^o	g ^o	g ^o			
General Condition	g ^o	g ^o	g ^o			
Notes and comments	Received with wet ice					

P=Plastic; G=Glass, Am=Amber, VOA=VOA vial

** Samples received in _____ for VOC's in soil. See attached for details on sample containers for low level VOC's in soil.

Sample Custodian Milner Date 4/5/03